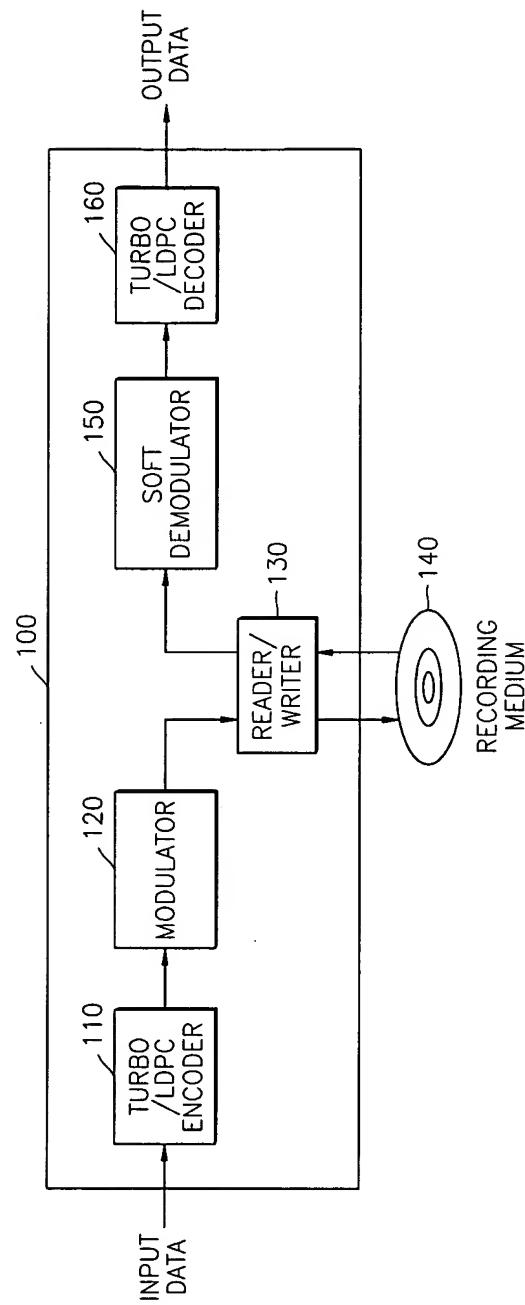


TITLE: SOFT DEMODULATION METHOD AND
APPARATUS
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SERIAL NO.:
DOCKET NO.: 1793.1181

FIG. 1 (PRIOR ART)



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FIG. 2 (PRIOR ART)

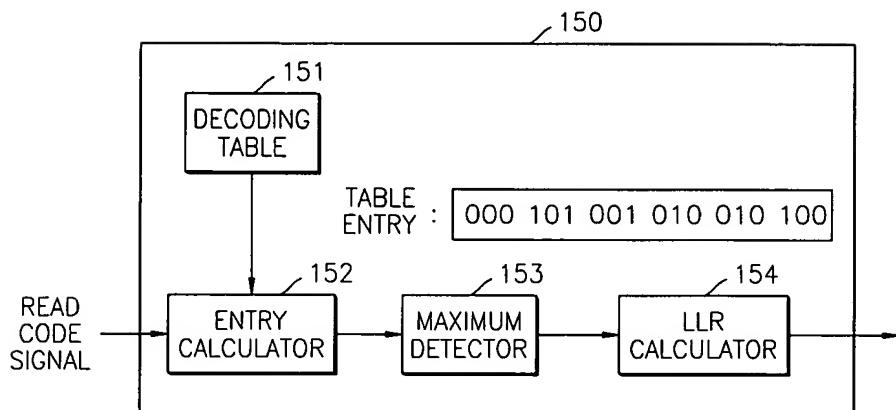


FIG. 3 (PRIOR ART)

A table titled '151' representing a decoding table. The table has two columns. The first column contains row numbers: 1, 2, ..., and 5000. The second column contains binary sequences: 000 101 001 010 010 100, 010 010 001 010 010 100, ..., and 000 101 001 010 010 010 respectively. The header of the second column is $d_k d_{k+1}$.

151	
	$d_k d_{k+1}$
1	000 101 001 010 010 100
2	010 010 001 010 010 100
...	...
5000	000 101 001 010 010 010

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FIG. 4 (PRIOR ART)

RECEIVED CODE SIGNAL :	$r_0 \ r_1 \ r_2 \ r_3 \ r_4 \ r_5 \ r_6 \ r_7 \ r_8 \ r_9 \ r_{10} \ r_{11} \ r_{12} \ r_{13} \ r_{14} \ r_{15} \ r_{16} \ r_{17}$	410
TABLE ENTRY	$0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0$	420
CALCULATION RESULT	$-r_0 -r_1 -r_2 +r_3 -r_4 +r_5 -r_6 -r_7 +r_8 -r_9 +r_{10} -r_{11} -r_{12} +r_{13} -r_{14} +r_{15} -r_{16} -r_{17}$	430

FIG. 5

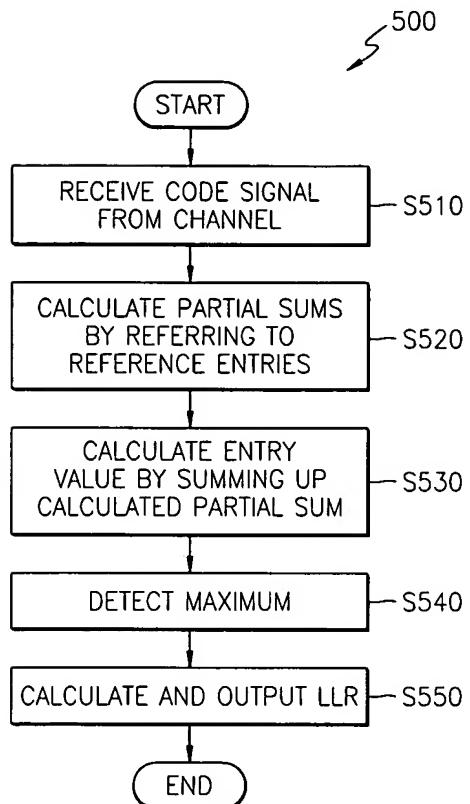
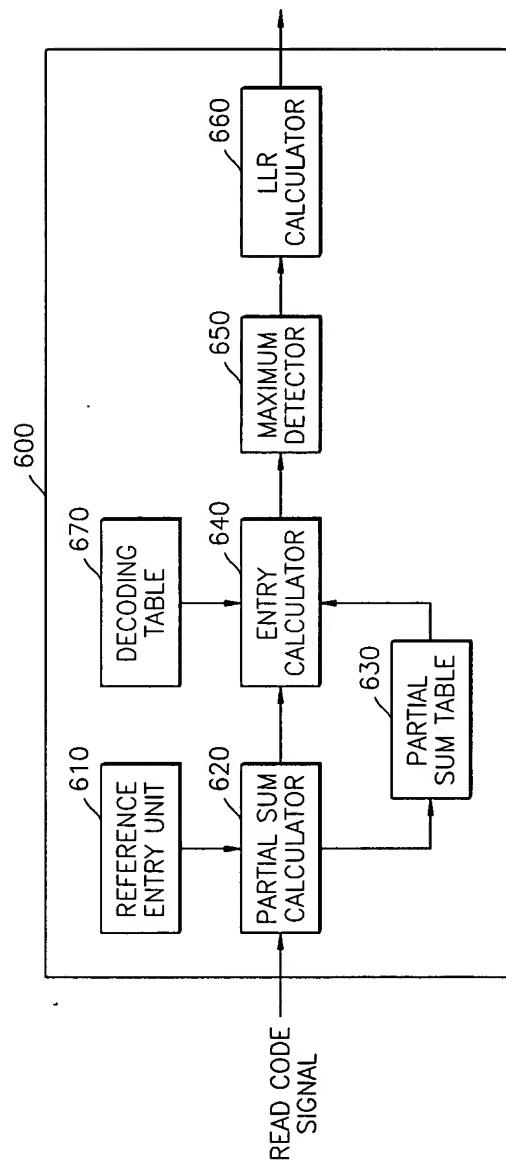


FIG. 6



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FIG. 7

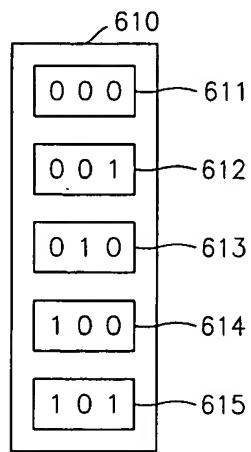


FIG. 8

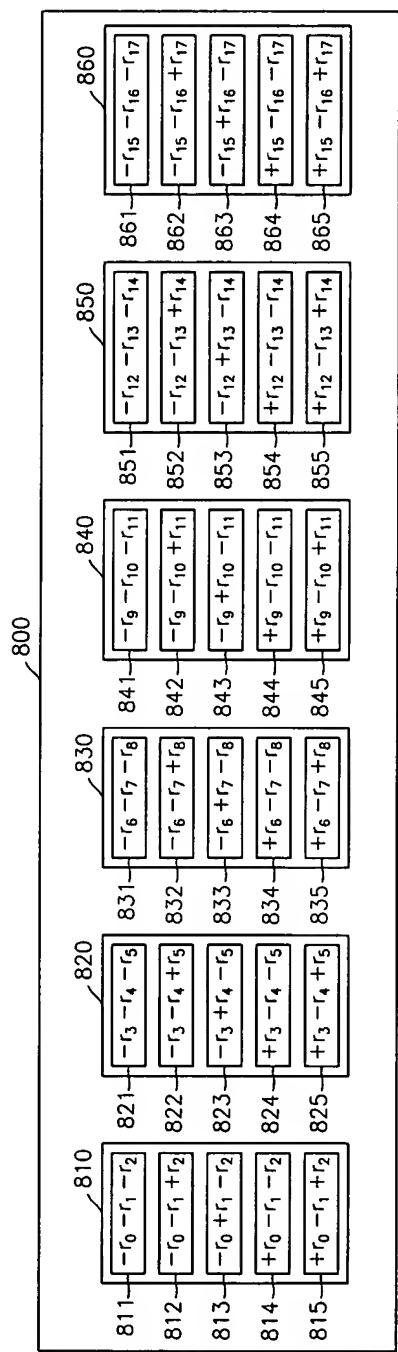
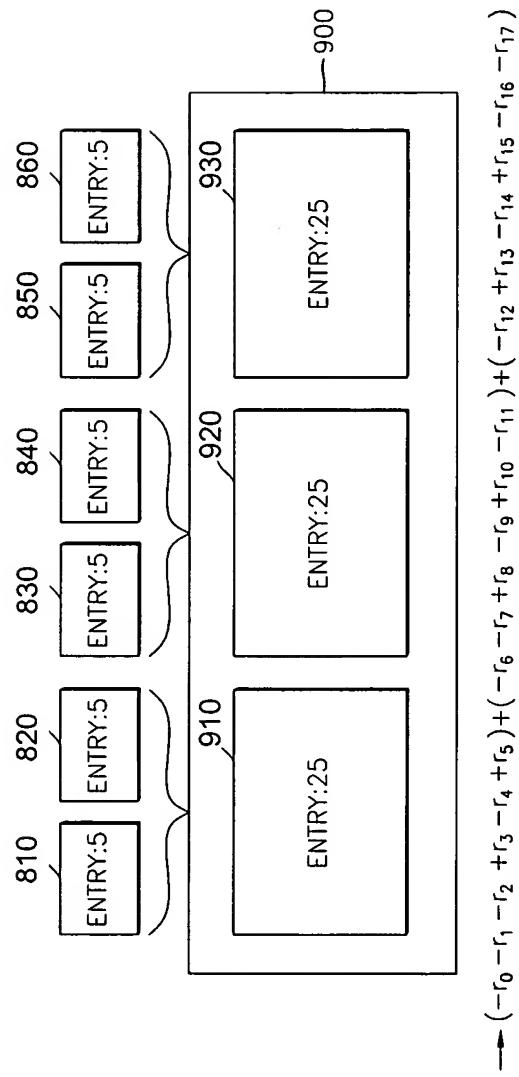
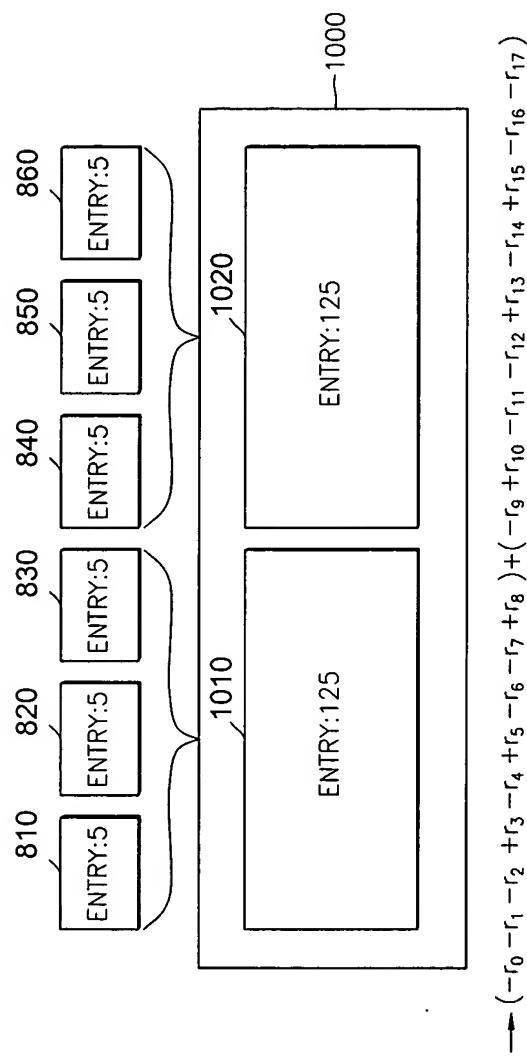


FIG. 9



→ $(-r_0 - r_1 - r_2 + r_3 - r_4 + r_5) + (-r_6 - r_7 + r_8 - r_9 + r_{10} - r_{11}) + (-r_{12} + r_{13} - r_{14} + r_{15} - r_{16} - r_{17})$

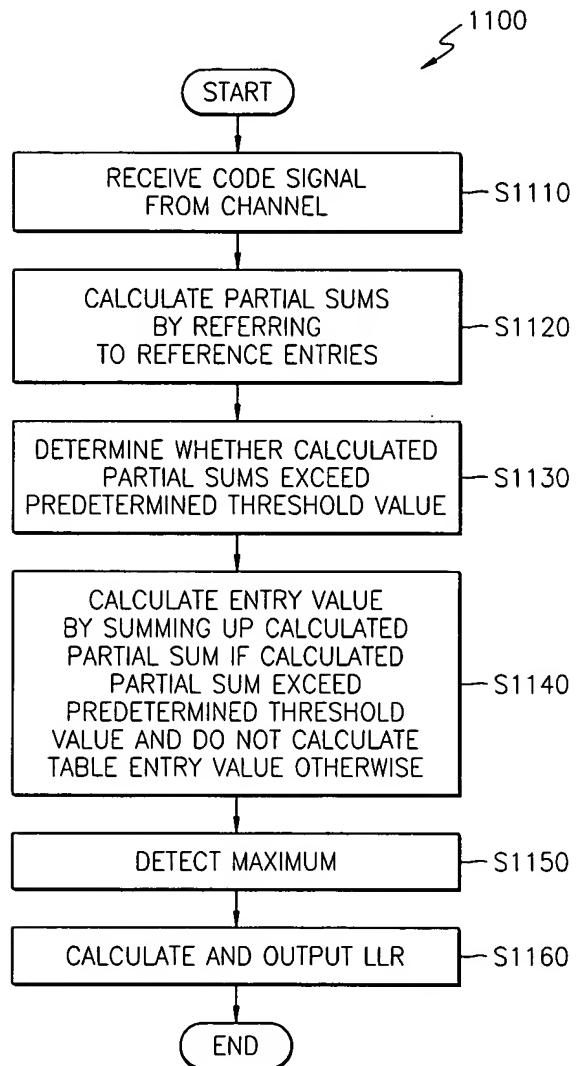
FIG. 10



$$\rightarrow (-r_0 - r_1 - r_2 + r_3 - r_4 + r_5 - r_6 - r_7 + r_8) + (-r_9 + r_{10} - r_{11} - r_{12} + r_{13} - r_{14} + r_{15} - r_{16} - r_{17})$$

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FIG. 11



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FIG. 12

